Index of Claims

Application No.

10/642,474

Applicant(s)

ERLMANN, NIKOLAUS MARTIN

Art Unit

Examiner

Greg Binda

3679

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

N Non-Elected

A Appeal
O Objected

|          |                                  |          | <u> </u>     |              |              | _        | _            | J         |          | L              |              |                         |  |  |  |
|----------|----------------------------------|----------|--------------|--------------|--------------|----------|--------------|-----------|----------|----------------|--------------|-------------------------|--|--|--|
| Ole:     |                                  | Date     |              |              |              |          |              |           |          |                |              |                         |  |  |  |
| Claim    |                                  |          |              | _            |              | _        | )at          | e<br>T    | _        | $\neg$         |              |                         |  |  |  |
| Final    | Original                         | 5/24/04  |              |              |              |          |              |           |          |                |              |                         |  |  |  |
| _        | Ō                                | ξ.       | Ì            |              | ì            |          |              | ĺ         | -        |                | Į            | Į                       |  |  |  |
|          | 1                                | ÷        | $\vdash$     | +            | $^{\dagger}$ | -        |              | T         | 7        |                | $\neg$       |                         |  |  |  |
|          | 2                                | T        |              | T            | +            |          |              | 1         | 1        | ╗              |              |                         |  |  |  |
|          | 1<br>2<br>3<br>4<br>5            | T        | Γ            | T            | T            |          |              |           |          |                |              |                         |  |  |  |
|          | 4                                | П        |              |              |              |          |              | T         |          |                |              |                         |  |  |  |
|          | 5                                | П        |              |              |              |          |              |           |          |                |              |                         |  |  |  |
|          | 6_                               |          | L            |              | 1            | _        | L            | ┸         | 1        |                |              |                         |  |  |  |
|          | 7                                | Ц        | 1_           | 1            | 4            |          | ļ            | 1         | 4        |                | _            |                         |  |  |  |
|          | 8                                | Ц        | _            | L            | 4            | _        | L            | Ļ         | -        |                |              |                         |  |  |  |
| L        | 9                                | 11       | <u> </u>     | - -          | 4            | _        | ļ            | +         | 4        | _              |              | Н                       |  |  |  |
|          | 10                               | $\sqcup$ | ┶            | +            | +            |          | <u> </u>     | +         | +        |                | -            | $\vdash$                |  |  |  |
| <u></u>  | 11                               | Н        | 4-           | +            | +            | _        | -            | 4         | -        |                |              | $\vdash$                |  |  |  |
| -        | 12                               | ╁╂       | +            | +-           | +            |          | +-           | +         | $\dashv$ |                | -            | $\vdash$                |  |  |  |
|          | 13                               | H        | +-           | +            | +            | _        | ╀╌           | +         | -        | _              | -            | H                       |  |  |  |
| -        | 10<br>11<br>12<br>13<br>14<br>15 | H        | +            | +            | +            | _        | ╁            | +         | -        |                | $\vdash$     | $\forall$               |  |  |  |
| -        | 16                               | +        | +            | ╁            | +            |          | +            | +         | +        | _              | $\vdash$     | $\vdash$                |  |  |  |
|          | 16<br>17                         | ╁        | +-           | ╁            | ┪            | -        | †-           | $\dagger$ | $\dashv$ | _              | <del> </del> | Н                       |  |  |  |
| <u> </u> | 18                               | +        | +            | +            | +            | _        | ╁            | +         | _        | _              | l            | $\dagger \lnot \dagger$ |  |  |  |
|          | 18<br>19                         | ╁        | +-           | +            | 7            |          | t            | す         |          |                |              |                         |  |  |  |
|          | 20                               | ╫        | $\top$       | +            | $\exists$    | _        | †            | 7         |          |                |              |                         |  |  |  |
|          | 21                               | 11       | 1            | T            | 7            | _        | T            | 7         |          |                | 1            |                         |  |  |  |
| h        | 22                               | П        | $\top$       | T            |              |          | 1            | T         |          |                |              |                         |  |  |  |
|          | 21<br>22<br>23                   | -        | -            | 7            |              |          | T            |           |          |                |              |                         |  |  |  |
|          | 24                               |          |              |              |              |          |              |           |          |                | L            | $\perp$                 |  |  |  |
|          | 24<br>25<br>26<br>27<br>28       |          |              | $\perp$      |              |          | 1            | 1         |          |                | 1            | 1_                      |  |  |  |
|          | 26                               | L        | $\perp$      | $\downarrow$ | _            | _        | _            | _         |          |                | ↓_           | 1-1                     |  |  |  |
|          | 27                               | $\perp$  | _            | 4            | _            |          | 1            | _         |          | _              | 4            | +                       |  |  |  |
|          | 28                               |          | 1            | 4            | $\perp$      | _        | 4            | 4         |          | -              | -            |                         |  |  |  |
|          | 29<br>30                         | +        | +            | +            |              | L        | +            | -         |          | _              | +            | +                       |  |  |  |
|          | 30                               | +-       | +            | +            | _            | -        | +            | -         |          | -              | ╂            | +- $+$                  |  |  |  |
| -        | 31<br>32                         | +        | -            | +            | _            | _        | ╁            | $\dashv$  | _        | $\vdash$       | - -          | +-                      |  |  |  |
|          | 33                               | +        | +            | +            | _            | H        | +            | -         |          | $\vdash$       | +            | +                       |  |  |  |
| -        | 33                               | +        | +            | $\dashv$     | _            | $\vdash$ | - -          | $\dashv$  |          | <del>  -</del> | +-           | +-                      |  |  |  |
| -        | 34<br>35                         | +        | +            | +            |              | H        | +            | -         |          | $t^-$          | $\dagger$    | +                       |  |  |  |
| 1        | 36                               | +        | +            | +            |              | T        | 十            | _         |          | Т              | $\top$       | $\top$                  |  |  |  |
|          | 36<br>37                         | +        | $\dashv$     | 7            |              | Γ        | 1            | ╗         |          | Γ              | Ι            |                         |  |  |  |
|          | 38                               | 1        | $\top$       | 7            | _            |          |              |           |          | Γ              | Ι            |                         |  |  |  |
|          | 39                               |          |              |              |              |          | T            |           |          |                |              |                         |  |  |  |
|          | 40                               | )        |              |              |              | Ĺ        | $\perp$      |           |          | L              | $\perp$      | 1_                      |  |  |  |
|          | 41                               |          | $\prod$      |              |              | L        | $\perp$      |           | _        | 1              | 4.           | _                       |  |  |  |
|          | 42                               |          | $\downarrow$ | _            |              | Ļ        | $\downarrow$ | _         | L        | 1              | $\perp$      | _                       |  |  |  |
| L        | 43                               |          | _            | _            |              | L        | _ .          |           | _        | +-             | +            |                         |  |  |  |
| <u> </u> | 44                               |          | _            | _            |              | 1        | $\perp$      |           | <u> </u> | +              | +            | +                       |  |  |  |
| -        | 45                               |          | _            | _            | _            | Ł        | +            | _         | -        | +              | +            | +-                      |  |  |  |
| $\vdash$ | 46                               |          | $\dashv$     |              |              | +        | +            |           | $\vdash$ | +              | +            | +                       |  |  |  |
| <u> </u> | 4                                |          | -            |              |              | +        | +            |           | $\vdash$ | +              |              | +                       |  |  |  |
| -        | 48                               |          | +            |              | -            | +        | $\dashv$     |           |          | +              | +            | +                       |  |  |  |
| -        | 49                               |          | $\dashv$     | -            | -            | +        | +            |           | +        | +              | +            | +                       |  |  |  |

| Cla          | im T           | Date           |              |          |   |   |          |           |   |   |          |          |   |          |              |   |
|--------------|----------------|----------------|--------------|----------|---|---|----------|-----------|---|---|----------|----------|---|----------|--------------|---|
|              | $\neg$         | _              | T            | _        | Τ |   | Ī        | Ī         | _ | Т |          |          | T | $\neg$   |              |   |
| Final        | Original       | Ì              |              |          |   | ļ |          |           |   |   |          |          |   |          |              |   |
| ű.           | o              |                |              |          |   | 1 |          |           |   |   | ١        |          |   |          |              |   |
|              | 51<br>52       |                |              | İ        |   | Τ |          |           |   |   |          |          |   |          |              |   |
|              | 52             |                |              | T        |   | T |          |           |   |   |          |          |   |          |              |   |
|              | 53             |                |              | Τ        |   | Ι | _        |           |   |   |          |          |   |          |              |   |
|              | 54<br>55       |                |              |          |   |   |          | L         |   | L | _        |          |   | _        |              |   |
|              | 55             |                |              |          |   | 1 |          |           |   | L | _        |          | L | 1        | _            |   |
|              | 56             |                |              |          |   | 1 |          | L         |   | L | $\perp$  |          | L | 4        | _            | i |
|              | 57             |                | <u> </u>     | 4        |   | 4 |          | 1         | _ | L | 4        |          | L | 4        | 4            |   |
|              | 58             | <u></u>        | L            | 4        |   | - | _        | ļ         |   | Ļ | 4        |          | L | 4        | -            |   |
|              | 59<br>60       |                | ļ            | 4        |   | 4 | _        | ╀         | _ | L | -        |          | - | 4        | _            |   |
| <u> </u>     | 60             | ļ              | ┡            | 4        |   | 4 |          | +         | _ | ₽ | 4        |          | ┞ | 4        |              |   |
| ļ            | 61             | ļ.—            | -            | 4        |   | + | _        | +         |   | ╀ | -        | _        | H | +        | _            |   |
| <b> </b> -   | 62             |                | ┞            | +        |   | + | _        | +         | _ | ╁ | -        | _        | ╁ | +        | _            |   |
|              | 63             | <del> </del> — | ⊦            | 4        | - | + |          | ╁         |   | ╁ | -        |          | H | -+       |              |   |
|              | 64<br>65       | H              | ╁            | +        | _ | + | -        | +         | - | ╁ | $\dashv$ |          | ╁ | $\dashv$ |              | ł |
| <u> </u>     | 66             | $\vdash$       | ╁            | $\dashv$ | _ | + | -        | +         |   | t | _        | _        | t | ┪        | _            | 1 |
|              | 66<br>67       | <del>  -</del> | ╁            | ┪        |   | + |          | $\dagger$ |   | t | -        |          | t | 寸        |              | 1 |
|              | 68_            | ╁              | +-           | $\dashv$ | - | 1 | -        | 1         | _ | ╁ | _        |          | t | ٦        |              | 1 |
| <del> </del> | 69             | -              | ╁            | -        | - | 7 |          | +         |   | † |          |          | t | 7        |              | 1 |
|              | 70             | t              | $^{\dagger}$ | -        |   | ┪ |          | †         | _ | t | _        | -        | t |          |              | 1 |
| _            | 70<br>71       | $\dagger$      | †            | 7        | _ |   |          | 7         |   | Ť | _        |          | Ť |          |              | 1 |
|              | 72             | T              | T            |          | Т |   | _        | 1         |   | T |          |          | 1 |          |              | ] |
|              | 72<br>73       | 1              | †            |          | Г | ٦ |          | 7         |   | Ť |          |          | Ţ |          |              |   |
|              | 74             | Т              | Τ            |          |   |   |          |           |   |   |          | L        |   |          | _            | 1 |
|              | 75             |                |              |          |   |   |          |           |   | 1 |          |          | 1 |          |              | 1 |
|              | 75<br>76       |                | $\perp$      |          | L |   | L        | _         |   | 1 | _        | ļ_       | 1 |          | _            | 4 |
|              | 77<br>78<br>79 | ļ              | 1            | _        | L | _ | L        |           |   | 4 |          | -        | + |          | L            | 4 |
| <u> </u>     | 78             | 1              | 4            | _        | L | _ | Ļ        |           | _ | 4 |          | -        | 4 |          | -            | 4 |
| <u> </u>     | 79             | ╄              | +            |          | L |   | L        | 4         | _ | 4 |          | H        | + | _        | ┝            | - |
|              | 80             | ┼-             | +            | _        | Ļ | _ | -        | _         | H | + |          | ╀        | + |          | ┝            | + |
| <u> </u>     | 81             | +              | +            |          | ╀ |   | L        | _         | - | 4 |          | ├-       | + | _        | ├-           | ┨ |
| -            | 82             | +              | +            |          | ╀ |   | H        | -         | H | + |          | ╁        | + | _        | $\vdash$     | - |
| -            | 83<br>84       | +-             | +            | _        | ╀ | _ | $\vdash$ | _         | - | 1 |          | ╁        | + |          | ╁            | ┨ |
| -            | 85             | +              | +            |          | ╁ | _ | H        | -         | H | - |          | $\vdash$ | + |          | †-           | ٦ |
| <b>—</b>     | 86             | +              | +            | _        | t | _ | t        |           | - | ┪ | _        | †        | 7 |          | t            | ٦ |
|              | 87             | +              | 7            |          | t | _ | t        |           | T |   | _        | T        | 7 |          | Τ            | ٦ |
|              | 88             | $\top$         | +            |          | T |   | t        |           | T |   | _        | 1        | ٦ |          | T            | ٦ |
|              | 89             | +              | 7            | _        | T |   | T        |           | Γ | П |          | T        | 1 |          | Т            |   |
|              | 90             | T              | _†           |          | Ţ | _ | Ι        | _         |   |   |          |          |   |          |              |   |
|              | 91             | I              | ]            |          | I |   | I        |           | Г |   |          |          |   |          | Ī            |   |
|              | 92             |                | 1            |          | I |   | I        |           | L |   | Ĺ        | Ţ        |   |          |              | _ |
|              | 93             |                | Ţ            |          | I |   | ↓        | _         | L |   | L        | 1        | _ | _        | 1            |   |
|              | 94             |                |              | _        | 1 | _ | 1        | _         | 1 |   | _        | 1        | _ |          | $\downarrow$ | 4 |
|              | 95             |                |              |          | 1 |   | 1        |           | L |   | L        | $\perp$  | _ | _        | 1-           | 4 |
|              | 96             |                | _            | _        | 1 |   | 1        | _         | 1 |   | L        | 1        |   | Ļ,       | +            | _ |
|              | 97             |                | 4            | _        | 1 |   | ļ        |           | Ļ |   | Ļ        | +        | _ | _        | +            | _ |
| L_           | 98             |                |              | _        | 4 |   | 4        |           | + |   | -        | +        | _ | <u> </u> | +            | _ |
|              | 99             | )              |              |          | 1 |   | 1        |           |   | _ | L        | ⊥        |   | L        | $\perp$      |   |

|          |                          |               |   |   | _         |   |           |          |          |          |          |           |          |          |          |
|----------|--------------------------|---------------|---|---|-----------|---|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| Claim    |                          |               | _ | _ |           | _ |           | a        | te       |          |          |           |          |          |          |
| Final    | Original                 |               |   |   |           |   |           |          |          |          |          |           |          |          |          |
|          | 101                      |               | _ | 1 | _         | 1 |           | _        | 1        |          |          | T         |          |          |          |
|          | 102                      | _             | - | 1 |           | T |           | _        | 1        |          |          | 1         |          | $\neg$   |          |
|          | 102<br>103               |               | Γ | 1 |           | T |           |          | 1        |          |          | T         |          |          |          |
|          | 104<br>105               |               |   | ٦ |           | T |           |          |          |          |          |           |          |          |          |
|          | 105                      |               |   |   |           | L |           |          |          |          |          |           |          |          |          |
|          | l 106                    |               |   |   |           |   |           | L        | _        |          |          | _         | _        |          |          |
|          | 107                      |               | L | _ |           | 1 | _         |          | 4        |          |          | 1         | _        |          |          |
|          | 108                      | L             | L | 4 |           | 1 |           | L        | 4        | _        | _        | 4         | _        |          | i        |
|          | 109                      | _             | - | 4 |           | ╀ | _         | -        | 4        | _        |          | +         | $\dashv$ |          |          |
|          | 110                      | ļ             | Ļ | 4 |           | + |           | -        | 4        |          | L        | +         | -        |          |          |
|          | 111                      | <u> </u>      | ╀ | 4 |           | + |           |          | -        |          | $\vdash$ | +         |          |          |          |
|          | 112<br>113               | -             | ╁ |   | _         | + |           | $\vdash$ | $\dashv$ | _        | ┞        | +         |          |          |          |
|          | 113                      | ⊢             | + | - | -         | + |           | ┝        | $\dashv$ |          | -        | $\dagger$ |          |          | 1        |
|          | 115                      | ╁             | t |   | H         | + | _         | H        | -        |          | H        | +         | _        | _        | İ        |
| _        | 115<br>116               | ╁             | ╁ |   | ┢         | + |           | t        | _        |          | T        | 7         |          |          | 1        |
|          | 117                      | $\vdash$      | t |   | Н         | † |           | t        | -        |          | 1        | 1         | _        | <u> </u> | 1        |
|          | 118                      | +-            | t | _ |           | 1 |           | t        | -        |          | T        |           |          |          | 1        |
|          | 119                      | t             | Ť |   | Г         | 1 |           | T        |          |          | Ī        | 1         |          |          | ]        |
| _        | 120<br>121<br>122        |               | T |   |           | 1 |           |          |          |          |          |           |          |          |          |
|          | 121                      |               |   |   |           |   |           |          |          |          | L        |           |          | _        | ļ        |
|          | 122                      | $\prod$       | I |   | L         |   |           | L        |          | L        | L        |           |          | _        |          |
|          | 123<br>124<br>125<br>126 | ╄-            | 1 |   | L         | 4 |           | 1        | _        |          | 1        | 4         | _        | ļ        | 4        |
|          | 124                      | $\perp$       | 4 |   | 1         | 4 |           | +        | _        | ļ        | ¥        | _         |          |          | +        |
|          | 125                      | ╀             | 4 |   | ┞         | 4 |           | +        | _        | $\vdash$ | ╀        | _         | _        | ┝        | 1        |
|          | 126                      | +             | + | _ | ╀         | 4 | _         | +        | _        | -        | +        | -         | -        | ╀        | 1        |
|          | 1127                     |               | + |   | ╁         | - |           | ╁        |          | ┝        | +        | _         | -        | -        | ┨        |
|          | 128<br>129<br>130        | +             | + |   | ╁         | + |           | $^{+}$   | _        | -        | $^{+}$   | _         | $\vdash$ | ╁        | 1        |
|          | 130                      | +-            | + | _ | +         | - | _         | +        | _        | t        | +        |           |          | t        | 1        |
|          | 131                      | +             | + |   | t         | - |           | †        | -        | $\vdash$ | †        |           |          | Т        | 1        |
|          | 132                      | +             | † | _ | 1         | T |           | †        | _        |          | Ť        | _         |          |          | 1        |
| -        | 133                      | 1             | 1 |   | 1         | _ |           | t        |          | T        | 1        | _         | Г        |          | ٦        |
|          | 134                      | 1             | 7 |   | T         |   | _         | 1        |          |          |          |           |          |          |          |
|          | 135                      | 5             | 1 |   |           |   |           |          |          |          | Ι        | _         |          |          | ┙        |
|          | 136                      | j             | 1 |   | ⊥         |   | L         | 1        |          | <u> </u> | 1        |           | L        | $\perp$  | 4        |
|          | 137                      | <u>'</u>      | 4 | _ | 1         |   |           | 4        | _        | 1        | 4        |           | _        | -        | 4        |
| L.       | 138<br>139               | 1             | 4 | _ | 4         |   | 1         | 4        |          | +        | +        |           | ┡        | ╀        | 4        |
|          | 139                      | !             | - | _ | +         |   | L         | 4        |          | ╀        | +        |           | ⊦        | ╁        | ┥        |
| <u> </u> | 140                      | $\overline{}$ | 4 |   | +         |   | ├-        | 4        | _        | +        | +        | _         | ┼-       | ╁        | $\dashv$ |
| -        | 141                      | ⊹⊢            | - | _ | +         |   | ₽         | +        |          | +        | +        |           | ╁        | +        | ᅱ        |
| <u> </u> | 142                      |               |   | _ | +         |   | $\vdash$  | -        |          | +        | +        | _         | ╁        | +        | $\dashv$ |
| $\vdash$ | 144                      |               | ┥ | - | +         |   | t         | $\dashv$ |          | +        | +        | _         | +        | +        | ᅥ        |
| -        | 145                      |               | - | _ | +         | _ | t         | +        |          | +        | 1        |           | t        | +        | ٦        |
| $\vdash$ | 140                      |               | ٦ | - | +         |   | $\dagger$ | -        | _        | +        | 1        | _         | †        | +        | d        |
| $\vdash$ | 14                       |               | 7 |   | $\dagger$ |   | t         | ٦        |          | Ť        | 7        | _         | $\top$   | T        | _        |
| -        | 14                       |               | 7 | Г | †         |   | T         |          | Γ        | T        | 1        |           | Ι        |          |          |
| $\vdash$ | 14                       |               | _ |   | +         |   | T         |          |          | _        |          |           | L        | I        |          |
|          | 15                       |               | _ |   |           | _ |           |          |          |          |          |           | $\Gamma$ |          |          |
|          |                          |               |   | _ |           | _ | _         | _        | -        |          | -        |           |          |          |          |